

Snowmass Neutrino Colloquia

NF Conveners: Patrick Huber, **Kate Scholberg**, Elizabeth Worcester

Colloquia: April 6, **April 20**, April 27, May 4

<https://snowmass21.org/neutrino/start>

Snowmass Neutrino Colloquia

NF colloquia are geared towards the entire Snowmass community

- Welcome to colleagues from other frontiers
- Please encourage your colleagues/students to attend

Three colloquia per session, intended to span the broad scope of physics topics in the neutrino frontier, highlight connections to other frontiers, and offer pedagogical introductions, motivations, and experimental status/plans

- April 7: Neutrinos in the three-flavor paradigm
- **April 20: BSM and anomalies in neutrinos**
- April 27: Neutrinos and nuclear physics
- May 4: Neutrino connections to astrophysics, cosmology, and accelerator physics

Talks will be recorded: <https://indico.fnal.gov/category/1192/>

Today's Colloquia

Beyond the Standard Model in the Neutrino Program

Overview of the beyond-the-SM in the neutrino program: (J. Kopp)

What are the possibilities for BSM physics with neutrino experiments?
How can these models be tested?

Understanding neutrino anomalies: (G. Karagiorgi)

What are the outstanding anomalies in the neutrino sector? What is the current status of resolving them? What are the opportunities for future experiments?

Beyond the standard model in the neutrino sector: (Z. Tabrizi)

What are the opportunities for searching for BSM physics in the neutrino sector, and beyond the neutrino sector?